

A CODE SPACE FOR A GENERALIZED IFS

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Abstract. We study the concept of a code (or shift) space for a generalized iterated function system (GIFS in short). We prove that relations between GIFSs and their code spaces are analogous to the case of classical IFSs. As an application, we consider the problem of connectedness of attractors of GIFSs. Many of our results are strengthening the ones proved recently by Mihail, Miculescu and Secelean, but some are completely new.

Key Words and Phrases: Fractal, iterated function system, generalized iterated function system, fixed point, code space, shift space, connectedness.

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